

ABSTRACT

A system is disclosed for generating a plurality of timeout event triggers in response to a plurality of kinds of timeout events. The system includes an overflow generator, which generates a plurality of overflow signals having a plurality of periods. The system also includes a plurality of trigger generators corresponding to the plurality of kinds of timeout events. Each of the plurality of trigger generators is associated with a corresponding timeout threshold value representing the minimum amount of time that must elapse for the trigger generator to generate a timeout event trigger. For each of the plurality of timeout triggers, a corresponding selection signal selects one of the plurality of periodic overflow signals. The timeout threshold corresponding to each timeout trigger is equal to the period of the corresponding selected overflow signal multiplied by the value of the corresponding control signal.